Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

ENUMERANTUR PLANTAE DAKOTAE SEPTENTRIONALIS VASCULARES.—II.

ENUMERAVIT J. LUNELL.

The Vascular Plants of North Dakota.—II.

With Notes by J. Lunell.

Order 8. GLUMIFLORAE.

[Lobelius. Hist. 1, (1576).] [He has *Carices* and *Gramina* together in his treatment, though he has no name for the group.] C. A. Agardh, Aphor. 139. (1823).

Graminales Britton, Man. 60. (1901).

Family 13. **CULMIFERAE** Ray, Meth. 147. 149 (1682).

Gramineae B. Juss. Hort. Trian. ex A. Juss. Gen. LXIV et 28. (1789). *Gramina* Hall. Enum. Stirp. Helvet. 1, 203 (1742). Linn. Phil. Bot. 28, (1751). *Graminia* Dum. Agrost. Belg. 79. (1823).

Tribe I. **MAYDEAE** Dumortier B. C. Observations sur les Graminées 84. 90. (1823) Agrostographia Belgica, Tent.

MAYS Acosta, Tract. Drog. (1578).

Maiz Caesalpinus De Plantes 181. (1583), Cam. Hort. Med. 94. (1588). *Maizum* Monardes ex C. Bauhin. Pin. 25. (1623). *Maizium* et *Maizum* Dodonaeus, Herb. 822. (1618). *Mays* Tour. Éléms 423 (1694). I. R. H. 531. (1700). *Zea* Linn. Gen. 279 (1737), 419. (1754). *Thalysia* Linn. Syst. (1735)! also Fund. Bot. 244. *Zea* Fund. Bot. 242.—Not *Zea* or *Zeia* Dioscorides = *Triticum Spelta* Linn.

49. **Mays Acostae** Tour. Éléms. l. c. (1694).

Zea Mays Linn. Sp. Pl. 971. (1753).

Occasionally escaping. Leeds.

Tribe II. **ANDROPOGINEAE** Dum. Obs. Gram. et Agrost. Belg. 84. (1823).

Andropogoneae J. Presl. et C. Presl. Rel. Haenck. I. 331. (1830).

ANDROPOGON Royen Fl. Leyd. Pr. 52. (1740).

Andropogon Linn. Gen. 468. (1754).

50. **Andropogon scoparius** Michx. Fl. Bor. Am. I. 57. (1803).

Leeds, Towner, Butte.

51. **Andropogon Hallii** Hack. Sitz. Acad. Wiss. Wien. 89. 127. (1884).

Morton Co.: Pretty Rock (Bell); Pleasant Lake.

52. **Andropogon furcatus** Muhl. Willd. Sp. Pl. 4:919. (1806).

Leeds, Butte, Minot, Des Lacs.

CHALCOELYTRUM Lunell, nom. nov. (from χαλκὸς copper, and ἔλυτρον, husk, alluding to the copper-tinted glumes of the spikelets).

Chrysopogon Trin. Fund. Agrost. 187. (1820). *Sorghastrum* Nash, Britt. Man. 71. (1901), name built on *Sorghum* and just as cheap and undesirable as diminutives in *ella*.

53. **Chalcoelytrum nutans** (Linn.) Lunell.

Sorghastrum nutans (Linn.) Nash, in Small, Flor. Southeastern U. S. 66. (1903).

Sorghum avenaceum (Michx.) Chapm. Fl. S. States 583. (1860).

Butte, Towner.

Tribe III. **PANICEAE** Dum. Obs. Gram. et Agrost. Belg. 83. (1823).

MILIUM Plinius 18:7. Virgilius, Georg. 1:216 Colum. 2.7.9. Cels. 2.18. Palad. 1:30 = *Panicum miliaceum* Linn. Sp. Pl. 58 (1753) = type of what we now call *Panicum* Linn. (restricted genus of the manuals) = *Chasea* Nwd. Am. Midl. Nat. Vol. II., p. 64 (1911).—This is *Milium* Moench. Meth. 202 (1794) inclusive of *Echinochloa* Beauv. Agrost. 53. (1812). Another synonym is *Cenchrus* Hippokrates Morb. 1. 619.

54. **Milium capillare** (Linn.) Moench l. c. 203.

Panicum capillare Linn. Sp. Pl. 58. (1753).

Leeds.

55. **Milium barbipulvinatum** (Nash.) Lunell.

Panicum barbipulvinatum Nash. Mem. N. Y. Bot. Gard. Vol. I: 21. (1900).

Leeds, Devils Lake, Bismarck.

56. **Milium panicum** Mill. Gard. Dict. No. 1 (1759).

Panicum miliaceum Linn. Sp. Pl. 58. (1753).

Milium esculentum Moench. Meth. 203 (1794).

Fargo (Bergman et Stevens); Leeds.

57. **Milium virgatum** (Linn.) Lunell.

Panicum virgatum Linn. Sp. Pl. 59 (1753).

Leeds, Bismarck.

58. **Milium virgatum elongatum** (Vasey) Lunell.

Panicum virgatum elongatum Vasey, Bull. Torr. Bot. Club, 13: 26. (1886).

Leeds.

59. **Milium Leibergii** (Vasey) Lunell.

Panicum Leibergii (Vasey) Scribin. in Britton and Brown, Illustr. Fl. 3: 497. (1898).

Panicum scoparium Leibergii Vasey, U. S. Dept. Agric. Div. Bot. Bull. 8: 32. (1889).

Butte, Oberon.

60. **Milium Wilcoxianum** (Vasey) Lunell.

Panicum Wilcoxianum Vasey l. c.

Butte, Towner; Kuhn (Brenckle).

ECHINOCHLOA Beauv. Agrost. 53. t. 11. (1812). *Milium Moench*, in part.

61. **Echinochloa Crus-galli** (Linn.) Beauv. l. c. α **submutica** (Neilr.) Beck v. M., in Neuman, Sveriges Fl. p. 777. (1901).

Panicum Crus-galli Linn. Sp. Pl. 56. (1753), in part.

Leeds.

62. **Echinochloa Crus-galli** (Linn.) Beauv. l. c. β **aristata** (Rchb.) Beck v, M., Neuman l. c.

Panicum Crus-galli Linn. l. c., in part.

Leeds, Bismarck.

63. **Echinochloa frumentacea** (Roxb.) Link.

Panicum frumentaceum Roxb., Japanese Barn-yard Millet, or Billion Dollar Grass, an occasional escape from cultivation. Vide Gray's Manual Ed. VII. p. 117. (1908).

In roadside ditch, Towner.

PANICUM (Plinius) Linn. Sp. Pl. 55. (1753).

Setaria Beauvais, Agrost. 112(1812), not Aschers. 1798.

Ixorphorus Schlecht, Linnaea 31. 420. (1861–2).

Chamaeraphis R. Br. (1810) O. Kuntze (1891).

Chaetochloa Scribn. U. S. Dept. Agr. Bull. Agrost. 14. (1897).

64 **Panicum italicum** Linn. Sp. Pl. 56. (1753).

Setaria italica R. and S. Syst. 2: 493. (1817).

Chamaeraphis italica Kuntze, Rev. Gen. Pl. 768. (1891).

Ixophorus italicus Nash. Bull. Torr. Club. 22: 423. (1895).

Chaetochloa italica Scribn. l. c. 4: 39. (1897).

Leeds.

65. **Panicum viride** Linn. Sp. Pl. 2:83, (1762).

Setaria viridis Beauv. Agrost. 51. (1812).

Chamaeraphis viridis Porter. Bull. Torr. Club 20: 196. (1893).

Ixophorus viridis Nash, Bull. Torr. Club, 22. 423. (1895).

Chaetochloa viridis Scribn. U. S. Dept. Agric. Div. Agrost. Bull. 4: 39. (1897).

Leeds.

66. **Panicum lutescens** Weigel Obs. Bot. 20. (1772).

Chaetochloa lutescens (Weigel) Stuntz, U. S. Dept. Pl. Ind. Seeds 33:36. 1914.

Chaetochloa glauca of recent authors.

Not *Panicum glaucum* Linn., which acc. to Stuntz is pearl millet, *Pennisetum americanum* (Linn.) Schum.

Cass Co.: Harwood (Bergman).

NASTUS Dioscorides I : 114 = *Cenchrus frutescens Linn.* Bubani in Fl. Pyr. IV. (1901) takes up the name. Not *Cenchrus* Hippokrates l. c. *Panicastrella* Micheli, Nov. Pl. Gen. 36. (1719 an ugly diminutive of *Panicum*, taken up by Moench. *Echinaria* Heist. Syst. Pl. Gen. 12. (1748).

67. **Nastus carolinianus** (Walt.) Lunell.

Cenchrus carolinianus Walt. Fl. Car. 79. (1788).

Cenchrus tribuloides Am. authors, not Linn.

Bismarck.

Tribe IV. **ORYZEAE** Dum. Obs. Gram. et Agrost. Belg. 83. (1823).

CERATOCHAETE Lunell, nom. nov. (from κέρας, a horn, and χαίτη, a bristle, named in reference to the long, stiff awns in the pistillate spikelets).

Zizania Linn. Sp. Pl. 991. (1753), not *Zizanion* of the New Testament, which is *Lolium temulentum.*

68. **Ceratochaete aquatica** (Linn.) Lunell.

Zizania aquatica Linn. Sp. Pl. l. c.

In James River at Jamestown.

LEERSIA Sw. Nov. Gen. et Sp. 21. (1788).

Homalocenchrus Mieg.; Hall. Hist. Stirp. Helv. 2: 201. (1768). A poor name.

69. **Leersia oryzoides** (Linn.) Sw. Fl. Ind. Occ. I:132. (1797).

Phalaris oryzoides Linn. Sp. Pl. 55. (1753).

Homalocenchrus oryzoides (Linn.) Poll. Hist. Pl. Palat. 1: 52. (1776).

Jamestown.

Tribe V. **PHALARIDEAE** Link. Hort. Berol. I:62. (1827).

PHALARIS Dioscorides 3: 149. Plinius 27: 12 et 102.

Also Tragus, Matth, Anguillara, Turner, Dodonaeus, V. Cordus, Gesner, Lobelius, Caesalpinus, etc.

70. **Phalaris arundinacea** Linn. Sp. Pl. 55. (1753), also Linn. Pan. Swan. Am. Acad. 2:38. (1751).

Leeds, Butte; Kulm (Brenckle).

71. **Phalaris canariensis** Linn. Sp. Pl. 54. (1753).

Seems to be the type of the genus as held by prae-Linnaeans. Dodonaeus says it is called "Canary-seed." Hence the specific name.

In waste places. Towner.

HIEROCHLOE J. G. Gmel. Fl. Lib. 1: 101. (1747).

Savastana Schrank, Baier. Fl. 1: 100. (1789).

72. **Hierochloe odorata** (Linn.) Wahlenb. Fl. Uyss. p. 32. (1820.)

Holcus odoratus Linn. Sp. Pl. 1048 (1753).

Hierochloe borealis R. S. Syst. 2: 513. (1817).

Savastana odorata Scribn. Mem. Torr. Club 5: 34. (1894).

Leeds, Butte.

Tribe VI. **AGROSTIDEAE** Kunth, Mem. Mus. Paris II:72. (1815), also Dum. l. c. 83. (1823).

ARISTIDA Linn. Sp. Pl. 82. (1753), also Gen. Pl. 35. (1754).

73. **Aristida longiseta** Steud. Syn. Pl. Gram. 420. (1855).

Medora (Bergman).

STIPA Linn. Sp. Pl. 78. (1753), also Gen. 34. (1754).

74. **Stipa viridula** Trin. Mem. Acad. St. Petersb. (VI.) 2. 39. (1836). Gram. Suppl. 39. (1836).

Leeds, Butte.

75. **Stipa comata** Trin. et Rupr. Mem. Acad. St. Petersb. (VI.) 5: 75 (1842), Agrost. 3. 75. (1842).

Leeds, Butte, Towner.

76. **Stipa spartea** Trin. Mem. Acad. St. Petersb. (VI.) 1: 82. (1831).

Medora (Bergman).

URACHNE Trin. Fund. Agrost. 109. (1918).

Oryzopsis Michx. Fl. Bor. Am. I: 51. (1803). Name founded on *Oryza* and therefore not acceptable.

77. **Urachne micrantha** Trin. et Rupr. Mem. Acad. St. Petersb. (VI) 5: 16 (1842).

Oryzopsis micrantha Thurb. Proc. Phila. Acad. 1863, 78. (1863).

Morton Co.: Swastika (S. W. Colebank.)

78. **Urachne asperifolia** (Michx.) Trin. Unifl. 1: 174 (1824).

Oryzopsis asperifolia Michx. Fl. Bor. Am. 1: 51. (1803).

Devil's Lake, Turtle Mountains.

MUHLENBERGIA Schreb. Gen. 44. (1789).

79. **Muhlenbergia mexicana** (Linn.) Trin. Unifl. 189. (1824).

Agrostis mexicana Linn. Mant. 1: 31. (1767).

Benson Co.: Peninsula of Lake Ibsen?

80. **Muhlenbergia racemosa** (Michx.) B. S. P. Prel. Cat. N. Y. 67. (1788).

Agrostis racemosa Michx. Fl. Bor. Am. I: 53. (1803).

Muhlenbergia glomerata Trin. Unifl. 191. (1824).

Leeds, Butte, Minot, Bismarck.

81. **Muhlenbergia foliosa** Trin. Gram. Unifl. 190. (1824).

Butte.

82. **Muhlenbergia umbrosa attenuata** Scribn. var. nov. ined.

Butte.

STELEPHURAS Theophrastus 7: 10, p. 842 Stapelius edition (1644), also Adanson, Fam. des Pl. II, p. 31. (1763).

Plantinia Bubani Fl. Pyr. IV. p. 269. (1901).

Phleum Linn. not *Phleum*, Theophrastus. Hist.

83. **Stelephuras pratensis** (Linn.) Lunell.

Phleum pratense Linn. Sp. Pl. 60. (1753).

Leeds, York, Pleasant Lake.

TOZZETTIA Savi Mem. Soc. Nat. Sc. VIII. 477. (1798).

Alopecurus Linn. Syst. (1735). Gen. 18, (1737) not Theophrastus or prae-Linnaeans.

84. **Tozzettia geniculata** (Linn.) Lunell.

Alopecurus geniculatus Linn. Sp. Pl. 60. (1753).

Leeds, Oberon.

85. **Tozzettia fulva** (J. E. Smith) Lunell.

Alopecurus fulvus J. E. Smith Engl Bot. 21. t. 1467. (1793).

Leeds.

AGRESTIS Bubani Fl. Pyr. IV. 281. (1901).

Agrostis Linn. Syst. (1735). Gen. 19. (1737), 30. (1754), not Dioscorides 4: 30, or ancients.

86. **Agrestis alba** (Linn.)

Agrostis alba Linn. Sp. Pl. 63. (1753).

Leeds, Jamestown.

87. **Agrestis hyemalis** (Walt.)

Cornucopiae hyemalis (Walt.) Fl. Car. 73. (1788).

Agrostis hyemalis B. S. P. Prel. Cat. N. Y. 68. (1888).

Leeds, Butte,; Kulm (Brenckle).

SPOROBOLUS R. Br. Prodr. Fl. Nov. Holl. I: 169. (1810).

88. **Sporobolus brevifolius** (Nutt.) Scribn. Mem. Torr. Club. 5: 39. (1895).

Agrostis brevifolia Nutt. Gen. I: 44. (1818).

Leeds.

89. **Sporobolus depauperatus** Scribn. Bull. Torr. Club. 9: 103. (1882).

Leeds.

90. **Sporobolus cuspidatus** (Torr.) Wood, Bot. et Fl. 385, (1870.)

Vilfa cuspidata Torr., Hook Fl. Bor. Am. 2: 238. (1840).

Leeds, Dunsieth.

91. **Sporobolus Richardsonis** (Trin.) Merr. in Rhodora. 46.

Vilfa Richardsonis Trin. Mem. Acad. St. Petersb. Ser. VI. Sc. Nat. V. 11. 103. (1840.

Leeds, Butte, Towner.

92. **Sporobolus cryptandrus** (Torr.) A. Gray. Man. 576. (1848).

Agrostis cryptandra Torr. Ann. Lyc. N. Y. 1: 151. (1824).

Pretty Rock (Bell); Pleasant Lake.

93. **Sporobolus cryptandrus vaginatus** Lunell, Am. Midl. Nat. Vol. II. p. 123. (1911).

Midl. Nat. Vol. II. p. 123. (1911).

Pleasant Lake.

94. **Sporobolus asperifolius** (Ness and Meyen) Thurber, S. Wats. Bot. Cal. 2: 269 (1880).

Vilfa asperifolia N. et M., Trin. Mem. Acad. St. Petersb. (VI.) 6: 95. (1840).

Devil's Lake, Minnewaukan.

DEYEUXIA Clarion Beauv. Agrost. 43. pl. 9, f. 9, 10. (1812).

Calamagrostis Adans. Fam. des Pl. 2: 31. (1763), in part. Bubani correctly objects to this name, because it is made up of *Calamus* and *Agrostis*, two names already used! Not *Calamagrostis* Trag. Hist. 677. 679. (1792), which is in one case a Sparganium, a Cyperus, and a Juncus!

95. **Deyeuxia montanensis** (Scribn.) Lunell.

Calamagrostis montanensis Scribn., Vasey Contr. U. S. Nat. Herb. 3: 83. (1892).

Leeds, Pleasant Lake.

96. **Deyeuxia canadensis** (Michx.) Munro; Hook. f. Trans. Linn. Soc. 23: 345.

Agrostis canadensis Michx. Fl. Bor. Am. 1: 73. (1803).

Calamagrostis canadensis Beauv. Agrost. 159. (1812).

Pleasant Lake.

97. **Deyeuxia neglecta** (Ehrh.) Lunell.

Arundo neglecta Ehrh. Beitr. 6: 137. (1791).

Calamagrostis neglecta Gaertn. Fl. Wett. 1: 94, (1799).

Pleasant Lake.

98. **Deyeuxia hyperborea** (Lange) Lunell.

Calamagrostis hyperborea Lange, Fl. Dan. 50: t. 3. (1880).

Leeds, Rolette.

99. **Deyeuxia hyperborea stenodes** (Kearney) Lunell.

Calamagrostis hyperborea stenodes Kearney Bull. U. S. Dept. Agric. Div. Agorst. II: 39.

Norderhof (Logan County): Brenckle.

100. **Deyeuxia hyperborea elongata** (Kearney) Lunell.

Calamagrostis hyperborea elongata Kearney, Bull, U. S. Dept. Agric. Div. Agrost. 11:40.

Leeds, Pleasant Lake.

ATHERNOTUS Dulac, vide Bubani, Fl. Hauts Pyr. 74. (1867).

Calamovilfa Hack. True Grasses 113. (1890).

Here again comes the same objection to the permissibility of this name, it being a combination of two grass names like Calamagrostis.

101. **Athernotus longifolius** (Hook.) Lunell.

Calamagrostis longifolia Hook. Fl. Bor. Am. 2: 241. (1840).

Calamovilfa longifolia Hack l. c.

Leeds, Pleasant Lake.

Tribe VII. **AVENEAE** Nees. Nov. Act. Acad. Nat. Cur. XIX. Suppl. I:154. (1823).

SPHENOPHOLIS Scribn.

102. **Sphenopholis obtusata** (Michx.) Scribn.

Eatonia obtusata (Michx.) A. Gray Man. 2: 558. (1856).

Aira obtusata Michx. Fl. Bor. Am. I: 62. (1803).

Leeds; Kulm (Brenckle).

KOELERIA Pers. Syn. 1: 97. (1805).

103. **Koeleria cristata** (Linn.) Pers. l. c.

Aira cristata Linn. Sp. Pl. 63. (1753).

Devil's Lake, Leeds, Willow City.

TRISETUM Pers. Syn. 1: 97. (1805).

104. **Trisetum melicoides** (Michx.) Vasey.

Aira melicoides Michx Fl. Bor. Am. 1: 62. (1803).

Graphephorum melicoideum Beauv. Agrost. 164. (1812).

Butte.

DESCHAMPSIA Beauv. Agrost. 91. pl. 18. f. 3. (1812).

105. **Deschampsia caespitosa** (Linn.) Beauv. Agrost. 160. pl. 18. f, 3. (1812).

Aira caespitosa Linn. Sp. Pl. 64. (1753).

Sheyenne, Towner.

106. **Deschampsia flexuosa** (Linn.) Trin. Bull. Acad. Sci. St. Petersb. 1: 66. (1836).

Aira flexuosa Linn. Sp. Pl. 65. (1753).

Leeds, Butte.

AVENA Vergilius Ecl. I: 2. V: 37. Georg. I: 77. I: 154. 1: 226. Colum. II: 11, also Varro, and all pre-Linnaean and post-Linnaean authors. Tour. Éls. 415. (1694). I. R. H. 574. (1700). Linn. Syst. (1735). Gen. 15. (1737), 85. (1754).

Avenacea Scheuch. 4: 15. 22. *Bromus* Fuchs. Hist. 65. (1546). *Bromus* Dioscorides 4:140 = *Avena fatua.*

107. **Avena sativa** Tragus, De Stirpium Hist. 653. (1552). Linn. Sp. Pl. 79. (1753).

Leeds, Butte.

108. **Avena fatua** Linn. Sp. Pl. 80. (1753).

Leeds, Butte.

109. **Avena striata** Michx. Fl. Bor. Am. I: 73. (1803).

Devil's Lake.

110. **Avena americana** Scribn. Bull. Agrost. U. S. Dept. Agr. 7, 183. (1897).

Tribe VIII. **CHLORIDEAE** Kunth. Mem. Mus. Paris II: 72. (1815).

SPARTINA Schreb. Gen. 43. (1789).

111. **Spartina Michauxiana** Hitchc. Gray. Man. VII. 142. (1908).

Spartina cynosuroides Am. Auth., not Roth.

Leeds, Butte.

112. **Spartina gracilis** Trin. Mem. Acad. St. Petersb. 6: 5. (1840).

Leeds, Minnewaukan, Butte, York.

SPIROCHLOE Lunell, nom. nov. (from σπειρᾶν, to twist, and χλόη, grass, the axis of the panicle at maturity becoming elongated and spiral).

Schedonnardus Steud. Syn. Pl. Gram. 146. (1855). The name not thought permissible, being built on *Nardus*.

113. **Spirochloe paniculata** (Nutt.) Lunell.

Lepturus paniculatus Nutt. Gen. 1: 81. (1818).

Schedonnardus paniculatus Trelease, Branner et Coville, Rep. Geol. Surv. Ark. 1888: Part 4. 236. (1891).

Dickinson (Bergman).

BOUTELOUA Lag. Var. Cienc. 2: p. 4. 134. (1818).

114. **Bouteloua gracilis** (H. B. K.) Lag. Steud. Nom. Bot. ed. 2. 1: 219. (1840).

Chondrosium gracile H. B. K. Nov. Gen. et Sp. 1: 176. pl. 58. (1816).

Bouteloua oligostachya Torr. in Gray Man. 553. (1856).

Atheropogon oligostachyum Nutt. Gen. 1: 78. (1818).

Leeds, Dunsieth, Pleasant Lake.

115. **Bouteloua curtipendula** (Michx.) Torr. in Emory Mil. Reconn. 154. (1848).

Chloris curtipendula Michx. Fl. Bor. Am. I:59. (1803).

Butte, Minot.

BECKMANNIA Host. Gram. Austr. 3: 5, pl. 6. (1805).

116. **Beckmannia erucaeformis** (Linn.) Host. l. c.

Phalaris erucaeformis Linn. Sp. Pl. 55. (1753).

Leeds, Butte.

BULBILIS Raf. Am. Month. Mag. 4: 190. (1819).

Buchloe Engelm. Trans. St. Louis Acad. 1: 432. (1859).

117. **Bulbilis dactyloides** (Nutt.) Raf.; Kuntze. Rev. Gen. Pl. 763. (1891).

Sesleria dactyloides Nutt. Gen. 1: 65. (1818).

Logan Co. (Brenckle.)

Tribe IX. **FESTUCACEAE** Dum. Obs. Gram. Agrost. Belg. 82. (1823).

MUNROA Torr. Pac. R. R. Rept. 4: 158. (1856).

118. **Munroa squarrosa** (Nutt.) Torr. l. c.

Crypsis squarrosa Nutt. Gen. 1: 49. (1818).

Medora (Bergman).

PHRAGMITES Dioscorides 1: 14.

119. **Phragmites communis** Trin. Fund. Agrost. 134. (1820).

Harnudo phragmitis Ruellius, Comarus, Dodonaeus.

Lake Ibsen, Dunsieth.

EROSION Lunell, nom. nov. (dedicated to Ἔρος, the love god).

Eragostis Beauv. Agrost. 70. pl. 14, f. 11. (1812). The name to be avoided, as built on another grass name.

120. **Erosion ciliare** (All.) Lunell.

Eragrostis ciliaris (All.) Link. See Hubbard, Philipp. Journ. Sci. Bot. 8: 159–161. (1913).

Eragrostis megastachya (Koehl.) Link, Hort. Berol. 1: 187. 1827).

Pingree, Leeds, Dunsieth, Devil's Lake.

121. **Erosion hypnoides** (Lam.) Lunell.

Eragrostis hypnoides (Lam.) B. S. P., Prel. Cat. N. Y. 69. (1888)

Poa hypnoides Lam. Tabl. Encycl. 1: 185. (1791).

Wahpeton (Bergman).

CATABROSA Beauv. Agrost. 97 (1812).

122. **Catabrosa aquatica** (Linn.) Beauv. Agrost. 157. . (1812).

Aira aquatica Linn. Sp. Pl. 64. (1753).

Butte, Pleasant Lake.

DALUCA Bubani, Fl. Pyr. IV. p. 350. (1901).

Melica Linn. Fl. Lapp. 36. (1737), Gen. 315. (1737), not *Melica* Dodonaeus, Lobilius, Caesalpinus, which is *Holcus Sorghum* Linn.

123. **Daluca Hallii** (Vasey) Lunell.

Melica Hallii Vasey, Bot. Gaz. 6: 296. (1881).

Festuca Hallii (Vasey) Piper. Contr. U. S. Nat. Herb. X: 31. (1906).

Butte.

DISTICHLIS Raf. Journ. Phys. 89: 104. (1819).

124. **Distichlis spicata** (Linn.) Greene, Bull. Cal. Acad. 2: 415. (1887).

Uniola spicata Linn. Sp. Pl. 71. (1753).

Leeds, Devil's Lake.

DACTYLIS Royen Lugd. Fl. 56. (1740). Linn. **Gen.** 29. (1742). Gron. Fl. Virg. p. 135. (1743).

125. **Dactylis glomerata** Linn. Sp. Pl. 71. (1753).

Leeds.

PANEION Lunell, nom. nov. (dedicated to Πάν, **Pan, the** god of the shepherds, of the pastures and the woods, because all its species are valuable fodder grasses).

Poa was the Theophrastan and Greek name for any kind of grass, like the latin *gramen*, or for any herbaceous plant).[1] The name ought to be disregarded for the same reason as the words *planta* or *herba* are unfit as generic names!

Poa Linn. Gen. 20. (1737).

126. **Paneion aridum** (Vasey) Lunell.

Poa arida Vasey, Contr. U. S. Nat. Herb. 1: 270. (1893).

York.

127. **Paneion Buckleyanum maius** (Vasey) Lunell.

Poa Buckleyana Nash. Bull. Torr. Club. 22: 465. (1895), var. *maior* (Vasey).

Poa tenuifolia Buckley, Proc. Acad. Phila. 1862: 96. (1862). Not A Rich. (1851), var. *maior* Vasey.

Leeds.

128. **Paneion bulbosum** (Linn.) var. **viviparum** (Koch.) Lunell.

Poa bulbosa Linn. var. *vivipara* Koch. Fl. Syn. Germ. et Helvet. p. 802. (1837).

Dickinson (Cl. Waldron).

129. **Paneion compressum** (Linn.) Lunell.

Poa compressa Linn. Sp. Pl. 69. (1753).

Dunsieth.

130. **Paneion glaucum** (Vahl.) Lunell.

Poa glauca Vahl. Fl. Dan. pl. 964. (1790).

Dunsieth.

131. **Paneion interius** (Rydberg) Lunell.

Poa interior Rydb. Bull. Torr. Club. 32: 604. (1905).

Rolette Co.: Nansen.

132. **Paneion longiligulum** (Scribn. et Williams) Lunell.

Poa longiligula Scribn. et Williams, Circ. U. S. Dept. Agric. Div. Agrost. 9: 3. (1899).

Pleasant Lake.

133. **Paneion nemorale** (Linn.) Lunell.

Poa nemoralis Linn. Sp. Pl. 69. (1753).

Leeds, York, Pleasant Lake. Devil's Lake, Dunsieth, Turtle Mountains.

134. **Paneion pratense** (Linn.) Lunell.

---

[1] Cfr. "gras" in the norvegian-american brogue of to-day.

Poa pratensis Linn. Sp. Pl. 67. (1753).

Leeds, Devil's Lake.

135. **Paneion pratericolum** (Rydb. et Nash) Lunell.

Poa pratericola Rydb. et Nash, Mem. N. Y. Bot. Gard. I: 51. (1900).

Butte, Towner.

136. **Paneion Sandbergii** (Vasey) Lunell.

Poa Sandbergii Vasey, in Scribn. Bull. Torr. Bot. Club 10: 276. (1883).

Leeds.

137. **Paneion triflorum** (Gilib.) Lunell.

Poa triflora Gilib. Exercit. 531. (1782).

Poa serotina Ehrh. Beitr. 6: 83. (1791).

Poa flava Am. Authors, not Linn.

Leeds.

SCOLOCHLOA Link. Hort. Berol. 1: 136. (1827).

138. **Scolochloa festucacea** (Willd.) Link. l. c. 137.

Arundo festucacea Willd. Enum. 1: 126. (1809).

Leeds, Lake Ibsen. The sterile plant covers square miles of dried up lake bottoms in the state!

GLYCERIA R. Br. Prodr. Fl. Nov. Holl. 1: 179. (1810).

Panicularia Fabricius, Enum. Hort. Helmst. 373. (1763). Name bad, if derived from *Panicum* (dim. *Panicula*, and then *Panicularia;* or if built on *panicula*, panicle, just as objectionable, as if *spica* or *capitulum* or *racemus* were used as material for genus names.

139. **Glyceria nervata** (Willd.) Trin. Mem. Acad. St. Petersb. 1: 365. (1831).

Poa nervata Willd. Sp. Pl. 1: 389. (1798).

Panicularia nervata Kuntze Rev. Gen. Pl. 783. (1891).

Butte, Pleasant Lake.

140. **Glyceria nervata rigida** (Nash.) Lunell.

Panicularia nervata rigida Nash. Mem. N. Y. Bot. Gard. 1: 54. (1900).

Butte.

141. **Glyceria americana** (Torr.) Lunell.

Poa aquatica var. *americana* Torr. Fl. U. S. 1: 108. (1824).

Glyceria grandis S. Wats. in Gray Man. VI. 667. (1890).

Panicularia americana McM. Met. Minn. 81. (1892).

Leeds, Butte, Pleasant Lake.

142. **Glyceria borealis** (Nash.) Batchelder.

Panicularia borealis Nash in Bull. Torr. Bot. Club 24: 348 (1897).

Paradise (Bell); Butte (extinct).

PUCCINELLIA Parl. Fl. Ital. 1: 366. (1848).

143. **Puccinellia maritima** (Huds.) Parl. l. c. 370.

Poa maritima Huds. Fl. Angl. 35. (1762).

Glyceria maritima M., et K. Deutsch. Fl. 1: 588. (1823).

Devil's Lake.

144. **Puccinellia airoides** (Nutt.) Wats., et Coult. in A. Gray, Man. VI: 668. (1890).

Pao airoides Nutt. Gen. 1: 68. (1818).

Leeds, York, Devil's Lake.

GNOMONIA (gr. *γνώμον*, alluding to fescue, in the English name of the genus) Lunell, nom. nov. *Festuca*, first applied by Dodonaeus, Herb. 321. (1551) = *Bromus secalinus*.

Festucaria Heister, Syst. 45. (1737) is founded on Festuca, and for this reason not much of a name, and undesirable.

Festuca Linn. Syst. (1735), Gen. 15, (1737).

145. **Gnomonia octoflora** (Walt.) Lunell.

Festuca octoflora Walt. Fl. Car. 81. (1788).

Dickinson (Bergman).

146. **Gnomonia ovina** (Linn.) Lunell.

Festiuca ovina Linn. Sp. Pl. 73. (1753).

Butte, Towner.

147. **Gnomonia ovina supina** (Hack.) Lunell.

Festuca ovina supina Hack.

Butte.

148. **Gnomonia elatior** (Linn.) Lunell.

Festuca elatior Linn. Sp. Pl. 75. (1753).

Wahpeton (Bell).

149. **Gnomonia nutans** (Willd.) Lunell.

Festuca nutans (Willd. Enum. I: 116. (1809).

Valley City (Bergman).

150. **Gnomonia viridula** (Vasey) Lunell.

Festuca viridula Vasey, Ill. N. A. Grasses t. 93. (1893), also Contr. U. S. Nat. Herb. 1: 279. Calif.

Dunsieth (only locality known east of Idaho).

FORASACCUS Bubani, Fl. Pyr. IV. p. 380. (1901).

Bromus Sibth., Matthiolus, Dodoneaus, Lobelius, Caesalpinus, C. Bauhin, etc. = *Avena fatua*.

Bromus Linn. synonym to Avena.

Avenaria Heister, Syst. 12. (1743), founded on Avena.

151. **Forasaccus arvensis** (Linn.) Bubani l. c. 385.

Bromus arvensis Linn. Sp. Pl. 77, (1753).

Fargo (Bergman).

152. **Forasaccus ciliatus** (Linn.)

Bromus ciliatus Linn. Sp. Pl. 76. (1753).

Dokkens Pond; Peninsula of Lake Ibsen.

153. **Forasaccus ciliatus laeviglumis** (Scribn.) Lunell.

Bromus ciliatus laeviglumis Scribn.

Leeds.

154. **Forasaccus purgans** (Linn.) Lunell.

Bromus purgans Linn. Sp. Pl. 76. (1753).

Minot.

155. **Forasaccus brebiaristatus** (Hook.) Lunell.

Bromus breviaristatus Buckl. Proc. Acad. Phila. 1862: 98. (1862)

Ceratochloa breviaristata Hook. Fl. Bor. Am. 2: 253. (1840).

Bottineau.

156. **Forasaccus latiglumis** (Hitchc.) Lunell.

Bromus latiglumis Hitchc, Rhodora VIII: 211. (1906).

Towner.

157. **Forasaccus marginatus** (Nees.) Lunell.

Bromus marginatus Nees in Steud. Syn. Pl. Gram. 322. (1824).

Devils Lake, Dunsieth.

158. **Forasaccus inermis** (Leyss.) Lunell.

Bromus inermis Leyss. Fl. Hal. 16. (1761).

Leeds.

159. **Forasaccus Pumpellianus** (Scribn.) Lunell.

Bromus Pumpellianus Scribn. in Bull Torr. Bot. Club. 15: 9. (1888).

Leeds, York.

Tribe X. **HORDEAE** Lindl. Veg. Kingd. 116. (1847).

LOLIUM Vergilius Ecl. V: 37, Georg. I: 154, also Plinius 18: 46. Linn. Syst. (1733), Gen. 16. (1737), 36. (1755).

160. **Lolium infelix** Vergilius l. c. both places.

Lolium temulentum Linn. Sp. Pl. 83. (1753).

Dickinson (C. Waldron).

ZEIA, *Zea* Dioscorides 4: 23 = *Triticum Spelta* Linn.

Agropyron J. Gaertn. Nov. Comm. Petrop. 14: Part 1. 539. (1770).

161. **Zeia Spelta** (Linn.) Lunell.

Triticum Spelta Linn. Sp. Pl. 423. (1753).

Occasionally escaped from cultivation. Butte.

162. **Zeia vulgaris aestiva** (Linn.) Lunell.

Triticum vulgare aestivum Linn.

An occasional escape. Butte.

163. **Zeia biflora** (Brign.) Lunell.

Agropyron biflorum (Brign.) Roem. et Schult Syst. II. 760. (1817).

Towner.

164. **Zeia canina** (Linn.) Lunell.

Agropyron caninum (Linn.) R. S. Syst. l. c. 756.

Triticum caninum Linn. Sp. Pl. 86. (1753).

Towner, Pleasant Lake, Dunsieth.

165. **Zeia cristata** (J. Gaertn.) Lunell.

Agropyron cristatum J. Gaertn. l. c. 540.

Dickinson (C. Waldron).

166. **Zeia dasystachya** (Hook.) Lunell.

Agropyron dasystachyum (Hook.) Vasey, Spec. Rept. U. S. Dept. Agric. 63: 45. (1883).

Dickinson (C. Waldron).

167. **Zeia glauca** (Desf.) Lunell.

Agropyron glaucum (Desf.) R. et S. Syst. 2: 752. (1817).

Triticum glaucum Desf. Scribn. Mem. Torr. Bot. Club 5: 57. (1894).

Leeds.

168. **Zeia mollis** (Scribn. et Sm.) Lunell.

Agropyron molle (S. et S.) Rydb. Mem. N. Y. Bot. Gard. Vol. I: 65. (1900).

Medora (Bergman).

169. **Zeia occidentalis** (Scribn.) Lunell.

Agropyron occidentale Scribn. U. S. Dept. Agric. Div. Agrost. Cir. 27: 9. (1900).

Towner.

170. **Zeia pseudorepens** (Scribn. et Sm.) Lunell.

Agropyron pseudorepens S. et S. U. S. Dept. Agric. Div. Agrost. Bull. 4: 34. (1897).

Devil's Lake.

171. **Zeia repens** (Linn.) Lunell.

Agropyron repens (Linn.) Beauv. Agrost. 146. (1812).

Triticum repens Linn. Sp. Pl. 86. (1753).

Leeds, Pleasant Lake.

172. **Zeia Richardsonii** (Schrad.) Lunell.

Agropyron Richardsonii Schrad. Linnaea XII: 467. (1838).

Leeds, Butte, Towner.

173. **Zeia riparia** (Scribn. Sm.) Lunell.

Agropyron riparium S. S. Bull. U. S. Dept. Agric. Div. Agrost. 4: 35. (1897).

Dunsieth.

174. **Zeia Smithii** (Rydb.) Lunell.

Agropyron Smithii Rydb. Mem. N. Y. Bot. Gard. Vol. 1: 61 and 64. (1900).

Leeds, Dunsieth.

175. **Zeia spicata** (Pursh) Lunell.

Agropyron spicatum (Pursh) Rydb. Mem. N. Y. Bot. Gard. I: 61. (1900).

Medora (Bergman).

176. **Zeia tenera** (Vasey) Lunell.

Agropyron tenerum Vasey, Bot. Gaz. 10: 258. (1885).

Leeds, Butte, Devils Lake, Towner; Kulm (Brenckle).

SECALE.

177. **Secale cereale** Linn.

Subspontaneous on railroad banks. Towner, Pleasant Lake.

HORDEUM Vergilius Ecl. V: 36. Georg. I: 317, Cato 35, Plinius 18: 7, Colum. II: 9. *Krithe leuce* Homeros, Odys. 3, 41, Iliad I: 196, Athem, Deipuf I: 61. *Krithe* Theophr. Hist. 2: 3. *Bosmoron* Strabo? (this latter perhaps *Mais vulgaris!*), *Kri he* Achilleis, Hippokrates Morb. 3: 496, also *Hordeum* of all older and later writers Tour. Linn. before and after: Linn. Syst. (1735), Gen. 16. (1757), 37 (1755); Tour. Éls. 414. (1694) I. R. H. 513. (1700).

178. **Hordeum jubatum** Linn. Sp. Pl. 85. (1753).

Leeds.

179. **Hordeum vulgare** Linn. Sp. Pl. 85. (1753).

Subspontaneous. Butte.

TERRELLIA (latinizing from its English name, Terrell-grass) Lunell, nom. nov.

Elymus is according to Adanson, Fam. 2. 606. (1763) =

Litospelos which name was applied by Diosc. to *Triticum sylvestre* and *Aegilops*. Acc. to Caesalpinus Elymus refers to *Panicum vulgare* which was called *Elymum* and *Meline* by Theophr. *Elymus* Linn. Sp. Pl. 83. (1753). Name very doubtful.

180. **Terrellia striata** (Willd.) Lunell.

Elymus striatus Willd. Sp. Pl. I: 470, (1797).

Devil's Lake.

181. **Terrellia virginica** (Linn.) Lunell.

Elymus virginicus Linn. Sp. Pl. 84. (1753).

Peninsula of Lake Ibsen.

182.. **Terrellia virginica submutica** (Hook.) Lunell.

Elymus virginicus submuticus Hook. Fl. Bor. Am. 2:255. (1840).

Minot, Towner.

183. **Terrellia canadensis** (Linn.) Lunell.

Elymus canadensis Linn. Sp. Pl. 83. (1753).

Devil's Lake, Turtle Mountains, Leeds, Towner, Pleasant Lake; Kulm (Brenckle). Extremely variable.

184. **Terrellia canadensis glaucifolia** (Willd.) Lunell.

Elymus canadensis glaucifolius (Willd.) Torr. Fl. U. S.I: 137. (1824).

Elymus glaucifolius Willd. Enum. I: 131. (1809).

Fargo (Bergman).

185. **Terrellia glauca** (Buckl.) Lunell.

Elymus glaucus Buckley, Proc. Acad. Phila. 1862: 99. (1862).

Butte, Turtle Mountains.

186. **Terrellia Macounii** (Vasey) Lunell.

Elymus Macounii Vasey, Bull. Torr. Club 13: 119. (1886).

Towner, Peninsula of Lake Ibsen.

187. **Terrellia diversiglumis** (Scribn. et Ball) Lunell.

Elymus diversiglumis Scribn. Ball. et Bull. U. S. Dept. Agr. Agrost. 24. 48. f. 22. (1901).

Walhalla (Bergman).

GYMNOSTICHUM Schreb. Beschr. Gras. 2. 127. pl. 47. (1810).

Asprella Willd. Enum. 132. (1809). Not Schreb. (1789).

Hystrix Moench. Mteh. 294. (1794). This is the Greek word for hedgehog, and is an improper name for a plant!

188. **Gymnostichum patulum** (Moench.) Lunell.

Hystrix patula Moench l. c. Devil's Lake.

Pages 97–176, Vol. IV., published July 20, 1915.